

Abstract

- An adaptive transformation and User Interface system enables transformation of a file or document (e.g. an SGML, XML, HTML or other multimedia file or document) from one format to another format. The transformation
- 5 supports error correction, filtering and collation of elements of a source document for output and is performed in response to control information comprising transformation parameters. The system transforms a document encoded in a language including presentation style determination attributes from a first format to a different second format. The system includes a source of transformation parameters determining a
- 10 desired presentation style and content structure as well as an input document processor. The input document processor transforms a received input document in a first format by parsing the input document and collating elements of the input document into a hierarchically ordered structure representing an intermediate document structure. The system employs a transformation processor for transforming
- 15 the intermediate document structure into an output document with the desired presentation style of a second format in response to the transformation parameters.